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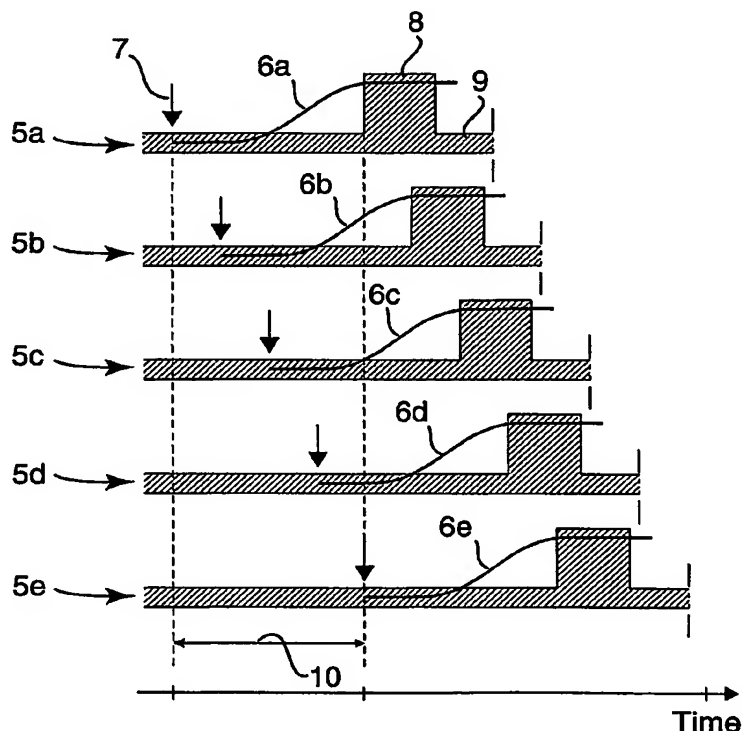
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(54) Title: AN ACTIVE MATRIX DISPLAY WITH A SCANNING BACKLIGHT



(57) Abstract: The invention relates to an active matrix display system and a method of operating such a system. The system comprises an active matrix display panel and a scanning backlight including several light members (3a-e), each of which illuminates a pixel line or a sector of pixel lines, in a fully activated state (8) of high light intensity for a limited period of time when the pixel lines in that sector have been addressed (6a-e) according to a video signal and have reached a new fully or nearly fully modulated state. This is done to eliminate or reduce the tendency of the so called "Sample and Hold" artefact when displaying fast moving objects on the display. According to the invention the light members (3a-e) are not switched off completely during a time period between two successive fully activated states of high light intensity. Instead they are operated to a reduced, dimmed or glowing state (9) with low light intensity of 10-50%, preferably 15-40% and most preferred 20-30% of the high light intensity in the fully activated state to enhance brightness and reduce flicker of the display.

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